

DLR5640-WN

■ Screw Fastening Counter

Features

The self-adjustable timer function automatically assesses the time required to complete fastening each screw and reflects it on the judging time setting.

- Best suited for assembly lines of vehicle equipment and harness installations that require reliable screw fastening.
- Detection of the signals from electric screwdrivers enables highly reliable screw fastening management.
- Function of controller and counter is integrated in one unit.
- Count Return Function : In the event of refastening, a reverse signal outputted from the electric screwdriver reverses the count by one.
- Count Correction Function : If, because of a fastening error such as elevated screw or double fastening, a torque reached signal comes before the fastening time set on the timer built in the counter elapses, no count is recognized.
- External Count Function : To be available to various assembling jobs, the DLR5640 enables counting of two kinds of parts (up to 9 counts each) in addition to the screw fastening counting. These kinds of counting can be used together.
- Link Connection Function : You can build up a simple sequential screw fastening system by connecting the DLR5640 screw fastening counters in series without using any external controller such as a programmable controller.
- Driver Lock Function prevents unexpected start of screwdrivers.
- Desktop and wall-hanger installations are available.
- Input voltage range from AC100V to 240V is acceptable in any part of the world.



Specifications

Model	DLR5640-WN
Count	1 ~ 99
Counting method	Count-up / Count-down
Count correction function	Count normal fastening only
Self adjustable timer setting	0.01 to 0.99 second
Work detection function	Yes (1 terminal) / No (with self adjustable timer)
External count input	2 terminals (PARTS A / PARTS B)
Work installation timer setting	0 to 3 seconds
OK output timer setting	0 to 3 seconds
NG alarm	ON (1) / ON (2) / OFF
OK buzzer	ON (1) / ON (2) / ON (3) / OFF
Count return function	ON / OFF
NG judge timing	WORK SET / DRIVER ON
Automatic / manual OK judge	AUTO / MANUAL
Screwdriver lock function	ON / OFF
Multiple link	Up to 10 counters can be connected.
External inputs on terminal block	Sensor / RESET / LINK-IN / PARTS A / PART B
External outputs on terminal block	OK / NG / LINK-OUT
Parameter memory	Parameters stored in internal nonvolatile memory
Screwdriver control	SPEED / LINEAR START
Power supply	AC100 ~ 240V 50/60Hz
Screwdriver power supply	DC33V / 1.5A
Dimensions (mm)	101 (W) X57 (H) X140 (D)
Mass (kg)	0.8
Accessories	Power cord with U.S.A plug (1.5m) Suspension bail (2pcs.)

Screw Counter



▲Example of use together with a sensor available in the market



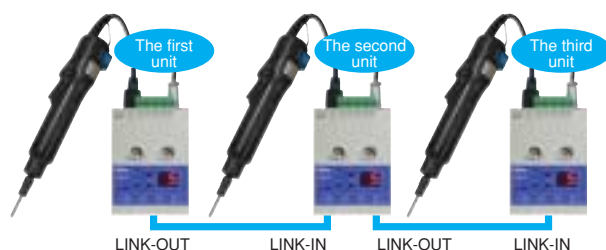
▲The example of installation

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LINK function (Common to DLR5040A & DLR5640)

When counters are connected by way of LINK connection, the screwdrivers excluding the one to be operated become standby state and cannot be operated. Whole screw fastening is completed when the screw fastening of the third screwdriver finished.

N.B: Up to 10 counters can be connected.



Front and rear panels

